COIN INDUSTRY
PLAY METER
UPDATE
Volume 3/No. 6 March 15, 1977

Allied to Re-organize Under Ch. 11

Allied Leisure Industries, the Hialeah, Florida-based manufacturer of pinball machines, arcade pieces and home video games, announced March 4 that it had filed a voluntary petition for reorganization under Chapter 11 of the federal bankruptcy laws.

The firm had disclosed in February that it had been losing money and could raise no new capital.

A financial disclosure release last month showed Allied Leisure with negative net worth and suffering a loss of about $2.2 million in 1976. The company disclosed that it had had to borrow nearly a million dollars from Chairman of the Board David H. Braun in order to continue operations.

Allied Leisure Industries was founded by Bob and David Braun with Ronald Haliburton in 1969. In 1974 a fire consumed the company's manufacturing facility, destroying records as well as equipment. The dollar loss from the plant fire was estimated at $2.2 million with some $1 million lost in parts for previously manufactured games.

The company managed to rebuild quickly enough to come out with Dyn-O-Mite in time for the 1975 show and establish itself as one of the first games manufacturers to bring solid-state pinball to the industry. More recently Allied brought out its first microprocessor game, Thunderbolt.

An Allied spokesman has indicated that significant orders for new games have been received. The firm is confident, he said, that it will be able to continue operating.

Normally under Chapter 11, the incumbent management continues to operate the company declaring bankruptcy while protected against creditor claims by the courts.

Besides complete coverage of the recent AMOA Business Seminar, April's Play Meter *will feature articles by arcade expert J.W. Sedlak, security analyst Howard Gluck, and pinball wizard Roger Sharpe. In keeping with the season, the theme of the issue is to be "Arcades." Don't miss it.*

Meadows Games to Expand

Meadows Games, Inc., Sunnyvale, Cal., is in the process of acquiring certain assets of Fun Games of Oakland, Cal. in what Lyla Zinter, Marketing Director at Meadows, described as a "consolidation." The move expected to be completed in the very near future.

Meadows will make use of certain Fun Games assets in its operation, according to Ms. Zinter. These are to include Take 7, Fun Games' latest game. Meadows will also assume customer service support for Take 7 and for all previous Fun Games products.

Certain Fun Games employees will join Meadows in the move. Ms. Zinter mentioned Ken Anderson, Joe Regan and Tony Rodriguez as among those who will make the move.

The "consolidation" cannot be described as a merger, Ms. Zinter told *Play Meter.* Meadows is not taking on any of the debts or liabilities of the Oakland company.

Play Meter attempted to contact officials at Fun Games for comment on the consolidation but could reach no one for a comment before press time.

AMOA Seminar a Success

Despite extremely inclement weather and hazardous travelling conditions, close to 60 students attended the AMOA's 5th Regional Seminar, held March 11-12 at the Airport Hilton Inn, Denver, Colorado.

The AMOA seminars are conducted for owners and management personnel by the University of Notre Dame's Center for Continuing Education. Lecturers at this year's meet were Dr. Gerry Sequin, chairman of the department of management at Notre Dame and seminar co-ordinator; Dr. John Malone, associate dean for graduate study at the College of Business Administration at ND; and security expert William D. McInerney.

Dr. Sequin's presentation was entitled "Management by Objectives and Results"; Dr. Malone talked on salesmanship; and Mr. McInerney discussed various aspects of security.

For complete coverage of the seminar, check the coming April issue of *Play Meter.*

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TECHNICAL TOPICS

BY RANDY FROMM

One of the most important factors in the repair field is *fault diagnosis*. This holds true for all types of equipment. The competent serviceman can go right to the trouble spot and locate the problem. This enables him to make quick and accurate repairs without wasting precious time examining areas that are functioning properly. Remember, accurate knowledge = accurate repair. With that in mind, let's examine some common video game faults and their outward manifestations. We'll begin with:

The Power Supply

All T2L circuits require a precisely regulated 5-volt power supply. In some of the early video games, this supply was taken from the monitor itself but, as the video game has grown in complexity, so has the computer board's appetite for power. Exidy's Death Race, for example, draws around *8 amps* of 5 volts D.C. Because of the high current demand in today's games, good power supply/P.C.B. Interface is critical. Electrical contact between connector and board must be absolute. A dirty edge connector can produce a small resistance between the supply and the board. As little as one-tenth of an ohm can produce a voltage drop across the connector of one-half volt or more.

Calendar

April 14-25
Milan Fair (Automatics Section) Milan, Italy.

April 15-16
Ohio Music and Amusement Association, annual convention. Carousel Inn, Columbus, Ohio.

May 12-15
Music & Amusement Association (NYC), convention and trade show. Stevensville Country Club, Swan Lake, New York.

May 20-22
Music Operators of Minnesota, convention and trade show. Holiday Inn-Downtown, Minneapolis, Minn.

June 10-12
Colorado Coin Industries, annual meeting. Holiday Inn, Glenwood Springs, Colorado.

June 16-18
Illinois Coin Machine Operators Association, annual convention. Hospitality Motor Inn, Earth City (St. Louis), Missouri.

July 17-19
Music Operators of Texas, annual convention. St. Anthony's Hotel, San Antonio, Texas.

July 22-23
Montana Coin Machine Operators Association, annual convention. Outlaw Inn, Kalispell, Montana.

September 16-18
Florida Amusement-Merchandising Association, annual convention. Deauville Hotel, Miami Beach, Florida.

September 22-24
West Virginia Music and Vending Association, annual convention. Heart O' Town Motor Hotel, Charleston, West Virginia.

September 23-25
North Carolina Coin Operators Association, annual meeting. Radisson Hotel, Charlotte, N.C.

September 29-October 1
Music Operators of Virginia, annual convention. Hyatt House, Richomd, Virginia.

October 28-30
Amusement Music Operators Association, annual convention and trade show. Conrad Hilton Hotel, Chicago, Illinois.

(That's a 10 percent voltage loss!) Further, this voltage drop produces heat which can destroy the edge connector in your game.

Some notorious offenders are Atari's Tank and Jet Fighter and Electra's Avenger. If you operate these games, keep your eye on the state of your edge connector. If it's dirty, clean it or tin it with a *small* amount of solder. (Having learned from past experiences, manufacturers are doubling up on contact area for high current flows and this doesn't seem to be a problem on newer games.)

Poor power connections can show up as bad video (distorted or broken-up picture) or, more often, no video at all. A quick voltage check on the P.C.B. will let you know if your power is getting to the board okay. If not, check backward from the board and see where you've lost it (bad connector, transformer, etc.). In most Atari games, the power supplies are integral with the P.C.B. and only require various A.C. inputs to power them. Midway, Exidy and others use an outboard power supply and run D.C. to the board. Both systems seem to work equally well, the major difference being in manufacturing costs. It's cheaper and easier to make a single board than to gear up for both logic and power supply boards.

For a closer examination of regulated power supplies, take a look at the block drawing, *Figure 1*. [*Note:* This discussion of power supply design will, of necessity, be brief. Many excellent texts now exist that can teach you all that you've wanted to know about power supplies, but didn't know whom to ask!] Since this is a repair oriented feature, let's concentrate on a power supply's weak points as we look at its electronic structure.

Block #1 is the *transformer*. The transformer's function is to reduce the line voltage (117 volts A.C.) to a lower voltage for the rest of the power supply circuit. This is a very low failure item, and a bad transformer can often be diagnosed by that wonderful smokey bacon smell, so familiar to pinball mechanics as a burned coil. To check the transformer, compare the two ends of the secondary winding to the center tap. They must be exactly equal. If one side is a volt or more off in comparison to the other, you probably have shorted windings. This can cause faint to moderate hum bars—even though the rest of the power supply circuit checks out 100 percent okay.

Block #2, the *rectifier*, is a one-way gate for electron flow and changes the alternating current (A.C.) to direct current (D.C.). The rectifier diodes are a high failure item. Their failure, however, is often a function of a component failure further down the line. Since the diodes are rated at a certain maximum current, an excessive load can easily "pop" them. Before repairing blown diodes, check the rest of the circuit for shorts.

Block #3, the *filter capacitor*, is like a short-term battery that charges and discharges to provide a *constant but unregulated* voltage to the voltage regulator. While the filter capacitor is not a major failure item, it's a good idea to have a few around. When this baby fails, your monitor becomes hum bar city. Look for a white deposit or a bulge on the positive end of the can. Substitution is the best method of checking a filter capacitor.

Block #4 is an *integrated voltage regulator.* The case is usually the reference input and, as such, can be grounded for simplified power supply design. The voltage regulator takes an unregulated input and spits it out at a preset voltage above its reference input. (In this case, the reference is ground or 0 volts, and the output is 5 volts.) The voltage regulator has thermal shutdown capabilities and will turn itself off if it gets too hot. If you find the input to the regulator is good, but the output is low, pull out the regulator and replace it. If the output voltage is still low, you've got a short on the board. Feel around for a hot chip or cut power busses until the voltage comes up. The LM309 (1 amp), LM323K (3 amp), and 78H05 (5amp) voltage regulators are necessary replacement items for anyone who plans on performing any P.C.B. repair. Because of space limitations, on-board power supplies cannot be adequately heat-sinked (heat-sunk?) and this causes the regulator to run extremely hot. While this high temperature is within operational limits, I don't imagine the heat is doing the device any good. This is a common failure item. Keep a few of each type on hand.

I cannot adequately stress the importance of research. There are a myriad of publications to teach you about basic electronics. One excellent manual on power supply design is the "Voltage Regulator Handbook" that is published by National Semiconductor. This text can often be obtained free of charge from your local National Semiconductor distributor. (Just convince him that you'll buy lots of regulators from him!) The public libraries are full of books on all facets of electronics.

The technical staff at *Play Meter* will continue to bring you informative service material. But we need your response and, most of all, your questions. Please drop us a line and let us know what's bugging you about your games. Write to:

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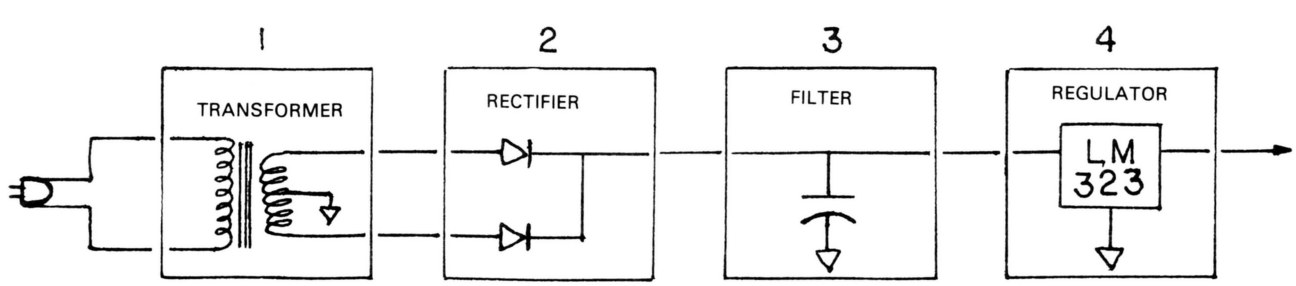
New Orleans, LA 70184



JUKEBOX

Now	Was	TITLE, ARTIST, Label, Number, (Distributing Label)	WKS. ON CHART
1	1	**LOVE THEME FROM "A STAR IS BORN"** BARBRA STREISAND Columbia 3 10450 (2nd Week)	13
2	2	**TORN BETWEEN TWO LOVERS** MARY MacGREGOR/ Ariola America P 7638 (Capitol)	17
3	4	**DANCING QUEEN** ABBA/Atlantic 3372	14
4	12	**RICH GIRL** DARYL HALL & JOHN OATES/RCA PB 10860	8
5	3	**BLINDED BY THE LIGHT** MANFRED MANN'S EARTH BAND/ Warner Bros. WBS 8252	19
6	5	**NIGHT MOVES** BOB SEGER & THE SILVER BULLET BAND/ Capitol P 4369	16
7	8	**I LIKE DREAMIN'** KENNY NOLAN/20th Century TC 2287	19
8	9	**CARRY ON WAYWARD SON** KANSAS/Kirshner ZS8 4267 (CBS)	13
9	11	**DON'T LEAVE ME THIS WAY** THELMA HOUSTON/Tamla T 54278F (Motown)	13
10	13	**THE THINGS WE DO FOR LOVE** 10CC/Mercury 73875	10
11	10	**GO YOUR OWN WAY** FLEETWOOD MAC/Warner Bros. WBS 8304	12
12	7	**FLY LIKE AN EAGLE** STEVE MILLER BAND/Capitol P 4372	15
13	17	**DON'T GIVE UP ON US** DAVID SOUL/Private Stock 129	8
14	18	**SAY YOU'LL STAY UNTIL TOMORROW** TOM JONES/ Epic 8 50308	11
15	6	**YEAR OF THE CAT** AL STEWART/Janus 266	13
16	15	**ENJOY YOURSELF** JACKSONS/Epic 8 50289	19
17	16	**WEEKEND IN NEW ENGLAND** BARRY MANILOW/Arista 0212	16
18	14	**NEW KID IN TOWN** EAGLES/Asylum 45373	14
19	27	**I'VE GOT LOVE ON MY MIND** NATALIE COLE/Capitol P 4360	7
20	19	**CAR WASH** ROSE ROYCE/MCA 40615	19
21	28	**SO IN TO YOU** ATLANTA RHYTHM SECTION/Polydor PD 14373	7
22	30	**TRYING TO LOVE TWO** WILLIAM BELL/Mercury 73839	6
23	24	**LONG TIME** BOSTON/Epic 8 50329	9
24	35	**HOTEL CALIFORNIA** EAGLES/Asylum 45386	3
25	29	**MAYBE I'M AMAZED** WINGS/Capitol SPRO 8571	6
26	26	**CRACKERBOX PALACE** GEORGE HARRISON/Dark Horse DRC 8313 (WB)	8
27	25	**BOOGIE CHILD** BEE GEES/RSO 867 (Polydor)	9
28	42	**SOUTHERN NIGHTS** GLEN CAMPBELL/Capitol P 4376	4
29	32	**DO YA** ELECTRIC LIGHT ORCHESTRA/United Artists XW939 Y	6
30	31	**FREE** DENIECE WILLIAMS/Columbia 3 10429	19
31	22	**YOU MAKE ME FEEL LIKE DANCING** LEO SAYER/ Warner Bros. WBS 8283	23
32	21	**I WISH** STEVIE WONDER/Tamla T 54274F (Motown)	16
33	38	**THE FIRST CUT IS THE DEEPEST** ROD STEWART/ Warner Bros. WBS 8321	6
34	39	**HERE COME THOSE TEARS A**	
35	40	**GLORIA** ENCHANTMENT/Unite	
36	20	**LOST WITHOUT YOUR LOVE** B	
37	36	**AFTER THE LOVIN'** ENGELBERT	
38	34	**HOT LINE** SYLVERS/Capitol P	
39	43	**LIVING NEXT DOOR TO ALICE**	
40	48	**RIGHT TIME OF THE NIGHT** JE	
41	33	**HARD LUCK WOMAN** KISS/Cas	
42	44	**AT MIDNIGHT (MY LOVE WIL** FEATURING	
43	50	**SAM** OLIVIA NEWTON-JOHN/	
44	81	**I WANNA GET NEXT TO YOU**	
45	41	**BITE YOUR LIP (GET UP AND**	
46	23	**WALK THIS WAY** AEROSMITH/	
47	37	**JEANS ON** DAVID DUNDAS/	
48	51	**MOODY BLUE/SHE THINKS I**	
49	49	**WINTER MELODY/SPRING AFF**	
50	55	**ALL STRUNG OUT ON YOU** JO	
51	47	**YOU DON'T HAVE TO BE A S** MARILYN McCOO & B	
52	71	**WHEN I NEED YOU** LEO SAYE	
53	73	**LIDO SHUFFLE** BOZ SCAGGS/	
54	61	**DISCO LUCY** WILTON PLACE S	
55	46	**SAVE IT FOR A RAINY DAY** ST	
56	56	**I CAN'T SAY NO TO YOU** PAR	
57	54	**REACH** ORLEANS/Asylum 4537	
58	59	**KONG** DICKIE GOODMAN/Sh	
59	53	**DAZZ** BRICK/Bang 727	
60	64	**BE MY GIRL** DRAMATICS/ABC	
61	58	**LIVIN' THING** ELECTRIC LIGHT	
62	52	**TONIGHT'S THE NIGHT (GON** ROD STEWAR	
63	60	**I NEVER CRY** ALICE COOPER/	
64	68	**PHANTOM WRITER** GARY WRI	
65	70	**SOMETIMES** FACTS OF LIFE/Ka	
66	45	**THE RUBBERBAND MAN** SPINN	
67	75	**MAGICAL MYSTERY TOUR** AMB	
68	83	**CALLING DR. LOVE** KISS/Casa	
69	72	**SOMETHING 'BOUT 'CHA** LAT	
70	79	**THERE WILL COME A DAY (I'M** SMOKEY ROBINSON	

Charts court

K TOP 100

	WKS ON CHART
GAIN JACKSON BROWNE/ Asylum 45379	7
d Artists XW912 Y	9
READ/Elektra 45365	17
HUMPERDINCK/Epic 8 50270	21
4336	22
SMOKIE/RSO 860 (Polydor)	15
NNIFER WARNES/Arista 0223	4
ablanca 873	13
. LIFT YOU UP) RUFUS CHAKA KHAN/ABC 12239	7
MCA 40670	6
ROSE ROYCE/MCA 40662	2
DANCE) ELTON JOHN/ MCA/Rocket 40677	6
/Columbia 3 10449	18
hrysalis 2094	22
STILL CARE ELVIS PRESLEY/ RCA PB 10857	10
AIR DONNA SUMMER/ Casablanca NB 874	7
HN TRAVOLTA/Midsong Intl. 10907 (RCA)	4
TAR (TO BE IN MY SHOW) LLY DAVIS, JR./ABC 12208	28
R/Warner Bros. WBS 8332	4
olumbia 3 10491	2
TREET BAND/Island 078	4
EPHEN BISHOP/ABC 12232	16
KER McGEE/Big Tree BT 16082 (Atlantic)	7
5	7
ock SH 6 (Janus)	7
	27
12235	13
ORCHESTRA/United Artists XW888 Y	21
NA BE ALRIGHT) T/Warner Bros. WBS 8262	25
Varner Bros. WBS 8228	26
GHT/Warner Bros. WBS 8331	4
yvette 5128 (TK)	5
ERS/Atlantic 3355	27
ROSIA/20th Century TC 2327	3
olanca 880	2
MORE/Glades 1739 (TK)	7
GONNA HAPPEN TO YOU) /Tamla T 54279F (Motown)	3

esy of RECORD WORLD

Now	Was		WKS ON CHART
		CHARTMAKER OF THE WEEK	
71	—	**YOUR LOVE** MARILYN McCOO & BILLY DAVIS, JR ABC 12262	1
72	57	**SORRY SEEMS TO BE THE HARDEST WORD** ELTON JOHN/ MCA/Rocket 40645	19
73	62	**AIN'T NOTHIN' LIKE THE REAL THING** DONNY & MARIE/ Polydor PD 14363	18
74	85	**ANGEL IN YOUR ARMS** HOT/Big Tree BT 17085 (Atlantic)	3
75	78	**DEDICATION** BAY CITY ROLLERS/Arista 0233	4
76	87	**I'M YOUR BOOGIE MAN** KC & THE SUNSHINE BAND/ TK 1022	3
77	63	**STAND TALL** BURTON CUMMINGS/Portrait 6 77001	25
78	95	**COULDN'T GET IT RIGHT** CLIMAX BLUES BAND/Sire 736 (ABC)	3
79	88	**ROCK & ROLL STAR** CHAMPAGNE/Ariola America P7658 (Capitol)	2
80	—	**AIN'T GONNA BUMP (WITH NO BIG FAT WOMAN)** JOE TEX/Epic 8 50313	1
81	84	**ROOTS MEDLEY** QUINCY JONES/A&M 1909	3
82	86	**I'LL BE STANDING BY** FOGHAT/Bearsville 0315 (WB)	3
83	—	**WHODUNIT** TAVARES/Capitol 4398	1
84	98	**YOU + ME = LOVE** UNDISPUTED TRUTH/Whitfield 8231 (WB)	2
85	—	**CHERRY BABY** STARZ/Capitol 4399	1
86	91	**IF YOU'VE GOT THE TIME** THE BABYS/Chrysalis 2132	2
87	92	**I WANNA DO IT TO YOU** JERRY BUTLER/Motown M 1414F	3
88	—	**DANCIN' MAN** "Q"/Epic/Sweet City 8 50335	1
89	93	**HEARD IT IN A LOVE SONG** MARSHALL TUCKER BAND/ Capricorn CPS 0270 (WB)	2
90	—	**LUCILLE** KENNY ROGERS/United Artists XW929 Y	1
91	94	**LOVE IS BETTER IN THE A.M.** JOHNNIE TAYLOR/Columbia 3 10478	3
92	99	**REACHING FOR THE WORLD** HAROLD MELVIN & THE BLUENOTES/ABC 12240	2
93	—	**OLD FASHIONED BOY (YOU'RE THE ONE)** STALLION/ Casablanca 877	1
94	—	**TIE YOUR MOTHER DOWN** QUEEN/Elektra 45385	1
95	96	**YOU GOT ME DANCING** ANDREA TRUE CONNECTION/ Buddah 564	2
96	—	**YOUR OWN SPECIAL WAY** GENESIS/Atco 7076	1
97	—	**YOU KNOW LIKE I KNOW** OZARK MOUNTAIN DAREDEVILS/ A&M 1888	1
98	—	**THEME FROM "CHARLIE'S ANGELS"** HENRY MANCINI/ RCA 10888	1
99	—	**DANCIN'** CROWN HEIGHTS AFFAIR/De-Lite 1588	1
100	—	**LONELY BOY** ANDREW GOLD/Asylum 45384	1

LOST IN THE CROWD?

by michael b. klein

If I may, I would like to paraphrase an old saying. There's sound, and then there's sound. And with all of the heavy lps that are coming out and becoming million sellers before they're even in the record stores, we tend to overlook the artist that may have been lost in the crowd. I would like to run down a few of this type of single, and I even have a comment about one of the best, if more obscure, albums I have ever heard. But first things first . . .the singles. And maybe after reading this, you'll get the "rush" we call better sound.

Talkin' Too Much About My Baby—Chanter Sisters/Polydor PD 14378

Here are some very invigorating and original answers to musical mediocrity. The Charter Sisters' music is a highly charged combination of southern funk and slick soul. This uptempo rocker has super-tight back up and vocals. There's a jazzy edge to the tune, with a punch that keeps the beat alive and embedded in rock and roll. Thus it will appeal to both rock and soul groupies. Give it a listen: you'll agree . . . the Chanter Sisters are giving new life to an already lively music. *Yes* indeed.

Come Out and Play—Roy Ayers Ubiquity/Polydor PD 14379

Veteran jazzman Roy Ayers has been exploring the new wave of music called fusion in his last couple of lps as well as in his singles. And he certainly has it down. Down tight, and right.

Roy just shines and shines on this track, pouring out heavy doses of uptempo funk. This single is a perfect example of Roy's music; it suggests where he's been, as well as introducing some new uncharted territory. If the record buying public, as well as your customers, are as sophisticated as they would lead us to believe, this single should do well for you.

Do You Ever Think of Me?—Myra Ciardi/Polydor PD 14375

Lest I be accused of being sexist, I must mention a very strong first single by this lady. This tune is a finalist in the American Song Festival competition, but that's really beside the point: it's a good tune whether or not it's in the festival.

The familiar guitar on this side is none other than Joe Beck, who, through his nimble fingers, adds some much needed spice to the tune. Ciardi comes across emphatic and agressive with her touching lyrics. I feel that this single won't be a hit, but I hope I'm wrong: it deserves listening. But if this one doesn't make it, you should still keep a good eye on Myra; I'll bet her next single takes off straight to the top of the charts.

As you are aware, I don't review lps in this column, but every so often I stumble across one that I just can't help mentioning. Very rarely do I get so turned on by an artist that I can't seem to get enough, but such is the case with a poet/writer/singer named Tom Waits. The man is brilliant! He's a prophet and he writes lyrics that can knock you out.

Here is a sampling of titles from his new *Small Change* album on Asylum Records. "Bad Liver and a Broken Heart," "The Piano Has Been Drinking (Not Me)," "Pasties and a G-String (At the Two O'Clock Club)." This listing will give you some idea of where Waits is.

His music soars, depresses and takes you into the inner mind where anything can happen . . . and frequently does.

The lp is beautifully arranged, complete with full strings and on the drums the master, Shelly Manne. If you buy only one lp for your own collection this year, this is the one to buy.

Hit Picks

Popular

CALLING DR. LOVE Kiss/Casablanca 880
TIE YOUR MOTHER DOWN Queen/Elektra 45385
THEME FROM ROOTS Quincy Jones/A&M 1909
WHODUNIT Tavares/Capitol 4398
SOUND AND VISION David Bowie/RCA 10905
MAGICAL MYSTERY TOUR Ambrosia/20th Century 2327
TEACH ME TONIGHT Phoebe Snow/Columbia 10504
THEME FROM "CHARLIE'S ANGELS" Henry Mancini/RCA 10888
SING Tony Orlando & Dawn/Elektra 45387
CINDERELLA Firefall/Atlantic 3388
HEARD IT IN A LOVE SONG Marshall Tucker Band/Capricorn 0270
HELLO STRANGER Yvonne Elliman/RSO 871
LADY LUCK Ritchie Family/Marlin 3309

Country

SLIDE OFF OF YOUR SATIN SHEETS Johnny Paycheck/Epic 50334
ANYTHING BUT LEAVIN' Larry Gatlin/Monument 212
I'M SORRY FOR YOU Moe Bandy/Columbia 10487
LOOK WHO I'M CHEATING ON Bobby Bare/RCA 10902
LOVING ARMS Sammi Smith/Elektra 45374
LOVE'S EXPLOSION Margo Smith/Warner Bros. 8339
I'LL DO IT ALL OVER AGAIN Crystal Gayle/United Artists 948

Soul

LOVE IN "C" MINOR Cerrone/Cotillion 44215
THE PINOCCHIO THEORY Bootsy's Rubber Band/Warner Bros. 8328
FREE LOVE Jean Carn/Phila. Int'l. 3614
CLOUDY AWB/Atlantic 3388
LOVE IN "C" MINOR Heart & Soul Orch./Casablanca 876
JUST ONE STEP Little Milton/Glades 1741

courtesy of **STERLING TITLE STRIP CO., INC.**
1175 Broad Street, Newark, N.J. 07114

Top Twenty Country

Now	Was		
1	5	**SHE'S JUST AN OLD LOVE TURNED MEMORY**	CHARLEY PRIDE/RCA PB 10875
2	8	**SOUTHERN NIGHTS**	GLEN CAMPBELL/Capitol 4376
3	3	**TORN BETWEEN TWO LOVERS**	MARY MacGREGOR/Ariola America 7638
4	2	**SAY YOU'LL STAY UNTIL TOMORROW**	TOM JONES/Epic 8 50308
5	7	**DESPERADO**	JOHNNY RODRIGUEZ/Mercury 73878
6	10	**LUCILLE**	KENNY ROGERS/United Artists XW929 Y
7	1	**HEART HEALER**	MEL TILLIS/MCA 40667
8	14	**IT COULDN'T HAVE BEEN ANY BETTER**	JOHNNY DUNCAN/Columbia 3 10474
9	13	**YOU'RE FREE TO GO**	SONNY JAMES/Columbia 3 10466
10	15	**ADIOS AMIGO**	MARTY ROBBINS/Columbia 3 10472
11	4	**MOODY BLUE**	ELVIS PRESLEY/RCA PB 10857
12	19	**PAPER ROSIE**	GENE WATSON/Capitol 4378
13	17	**DON'T THROW IT ALL AWAY**	DAVE & SUGAR/RCA PB 10876
14	18	**EASY LOOK**	CHARIE RICH/Epic 8 50328
15	16	**I JUST CAME HOME TO COUNT THE MEMORIES**	CAL SMITH/MCA 40671
16	25	**MOCKINGBIRD HILL**	DONNA FARGO/Warner Bros. WBS 8305
17	23	**I'M NOT EASY**	BILLIE JO SPEARS/United Artists XW935 Y
18	20	**HE'LL PLAY THE MUSIC**	LITTLE DAVID WILKINS/MCA 40668
19	21	**I'M GONNA LOVE YOU RIGHT OUT OF THIS WORLD**	DAVID ROGERS/Republic IRDA 343
20	22	**WRAP YOUR LOVE ALL AROUND YOUR MAN**	LYNN ANDERSON/Columbia 3 10467

Top Twenty Soul

Now	Was		
1	1	**I'VE GOT LOVE ON MY MIND**	NATALIE COLE/Capitol P 4360
2	2	**SOMETIMES**	FACTS OF LIVE/Kayvette 5128 (TK)
3	5	**TRYING TO LOVE TWO**	WILLIAM BELL/Mercury 73839
4	3	**GLORIA**	ENCHANTMENT/United Artists XW912 Y
5	4	**DON'T LEAVE ME THIS WAY**	THELMA HOUSTON/Tamla T 54278F (Motown)
6	10	**AT MIDNIGHT (MY LOVE WILL LIFT YOU UP)**	RUFUS FEATURING CHAKA KHAN/ABC 12239
7	6	**SOMETHING 'BOUT 'CHA**	LATIMORE/Glades 1739 (TK)
8	7	**BE MY GIRL**	DRAMATICS/ABC 12235
9	8	**I WISH**	STEVIE WONDER/Tamla T 54274F (Motown)
10	9	**FREE**	DENIECE Williams1Columbia 3 10429
11	14	**LOVE IS BETTER IN THE A.M.**	JOHNNIE TAYLOR/Columbia 3 10478
12	11	**CAR WASH**	ROSE ROYCE/MCA 40615
13	12	**DAZZ**	BRICK/Bang 727
14	17	**REACHING FOR THE WORLD**	HAROLD MELVIN & THE BLUE NOTES/ABC 12240
15	13	**BODYHEAT**	JAMES BROWN/Polydor 14360
16	22	**I WANNA GET NEXT TO YOU**	ROSE ROYCE/MCA 40662
17	15	**WINTER MELODY/ SPRING AFFAIR**	DONNA SUMMER/Casablanca 874
18	16	**LOOK INTO YOUR HEART**	ARETHA FRANKLIN/Atlantic 3373
19	21	**DANCIN'**	CROWN HEIGHTS AFFAIR/De-Lite DE 1588
20	27	**THERE WILL COME A DAY(I'M GONNA HAPPEN TO YOU)**	SMOKEY ROBINSON/Tamla T 54279 (Motown)

CLASSIFIED: Your Ad Free See Details Below

SALE: BIMBO-SINGING AND DANCING CLOWN [4], like new, $395.00 ea. UBI Sportacard, like new, 4-player game [6] at $595.00 ea. Home New Jordon Air Hockey and Sardi Soccer. Write for prices. MSD DIST., 1010 Hudson St., Union, N.J. 07083.

PINBALL MACHINES WANTED. Mostly interested in older working machines to be resold for home use. Price Range $150-$225. Send list to NEP DISTRIBUTORS, P.O. Box 304, Hooksett, N.H. 03106.

PINBALLS, LARGE SELECTION, ALL TYPES, all ages, as is or shopped. WANTED: Wurlitzer 1050, 78 rpm jukeboxes, older games in crates. Call collect. 313/792-2131.

FOOSBALL GLOVES. Men's cowhide leather palm with lycra on the back, velcro fastener on back. Sizes: Small, Medium, Large. $42.50 doz. B & H ENTERPRISES, P.O. Box 386, Selah, Wash. 98942.

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WANTED: WILL TRADE OR PURCHASE original 1950-1970 Gottlieb, Williams and Bally pinball game brochures or flyers. Write: Don Murphy, 2015 N. Holmar Ave., Chicago, Ill. 60639.

WANTED: USED BINGOS, gaming devices and pin games for export. Contact: OUTRAGEOUS PRODUCTS, 2201 SW 43 Way, Ft. Lauderdale, Fla. 33317.

MUTOSCOPES WANTED: Please let us know if you have any mutoscopes and/or reels for sale. Any model or year wanted, but older machines preferred. FUNCO, P.O. Box 5713, Phoenix, Ariz. 85010.

WANTED: Backglass for Williams Pot-o-Gold. Reply: YESTERDAYS, 457 Eastern ByPass, Richmond, Ky. 40475.

LOGIC BOARDS REPAIRED—Gran Tak 10 & 20. Form K and Twinracer Track change options sold and installed, also checked out. Reasonable prices. AMUSEMENT GAME SERVICES. Tel. 609/983-4340.

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TRAINING for repair, maintenance, trouble shooting on electronic-video, pinballs, bingo's, arcade, amusement, music, machines. Certified BALLY school. NEVADA GAMING SCHOOLS, P.O. Box 15407, Las Vegas, Nevada, 89114. Tel. 702/873-2345

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PINBALL MACHINES WANTED. Mostly interested in older working machines to be sold for home use. Can pickup. Send list and price to: NEP DISTRIBUTORS, P.O. Box 304, Hooksett, N.H., 03106

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